

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/03/00
Date Received: 07/14/00
Project: Acid Tanks, PO# M64540
Date Extracted: 07/21/00
Date Analyzed: 07/21/00

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES
FOR TOTAL IRON
BY INDUCTIVELY COUPLED PLASMA (ICP)
Results Reported as $\mu\text{g/g}$ (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Total Iron</u>
M64540A Large 007055-01	65,000
M64540B Small 007055-02	44,000
Method Blank	<10.0

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Project: Acid Tanks, PO# M64540
Date Extracted: 07/20/00
Date Analyzed: 07/20/00

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES
FOR PERCENT ACID CONTENT**

Sample ID

Laboratory ID

% Acid

M64540A Large
007055-01

11

M64540B Small
007055-02

11

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Date Analyzed: 07/20/00

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES
FOR SPECIFIC GRAVITY
@ 15.56 °C**

<u>Sample ID</u> Laboratory ID	<u>Specific Gravity</u>
M64540A Large 007055-01	1.3
M64540B Small 007055-02	1.3
Method Blank	1.0

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**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF THE AQUEOUS
SAMPLES FOR TOTAL IRON
BY INDUCTIVELY COUPLED PLASMA (ICP)**

Laboratory Code: 007055-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Total Iron	mg/L	44,000	46,000	4	0-20

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**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF THE AQUEOUS SAMPLE
FOR PERCENT ACID CONTENT**

Laboratory Code: 007055-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Percent Acid	11%	11%	0	0-20

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Project: Acid Tanks, PO# M64540

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF THE AQUEOUS SAMPLE
FOR SPECIFIC GRAVITY
@ 15.56 °C**

Laboratory Code: 007055-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Specific Gravity	1.3	1.3	0	0-20

007055

7/14/00

CJ

B12

FRIEDMAN & BRUYA, INC.
3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282

SAMPLE CHAIN OF CUSTODY

Send Report To: Alaskan Copper Works Contact: Gerald A. Thompson
Company: 628 Hansen St
Address: Seattle WA 98134
City, State, Zip: 206-382-8379 FAX # 206-382-4309 Date 7-14-00
Phone #

SITE NO.	PROJECT NAME	PURCHASE ORDER #
7288	% of Acid / S.G. / FE	M64540
SAMPLERS (signature)		PROJECT LOCATION
		3200 6th Ave S.
REMARKS		SAMPLE DISPOSAL INFORMATION
Please call with results on Wednesday (7-15-00)		<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
M64540A	10:20 7/14/00	HNO3	1	01	% of Acid
Large					S.G.
					FE
M64540B	10:30 7/14/00	HNO3	1	02	% of Acid
Small					S.G.
					FE

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by:	Gerald A. Thompson	Acw	7/14/00	11:02
Received by:	Eric Young	FBI, Inc	7/14/00	11:06
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 3, 2000

Gerald A. Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

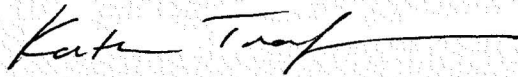
Dear Mr. Thompson:

Included are the results from the testing of material submitted on July 14, 2000 from your Acid Tanks, PO# M64540 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0803R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 3, 2000

DUPLICATE COPY

INVOICE #00ACU0803-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Acid Tanks, PO# M64540 - Results of testing requested by Gerald A. Thompson for material submitted on July 14, 2000.

2 samples analyzed for Specific Gravity @ \$25 per sample	\$ 50.00
2 samples analyzed for Percent Acid Content @ \$50 per sample	100.00
2 samples analyzed for Total Iron @ \$35 per sample	<u>70.00</u>
Amount Due	\$ 150.00

FEDERAL TAX ID (b) (6)